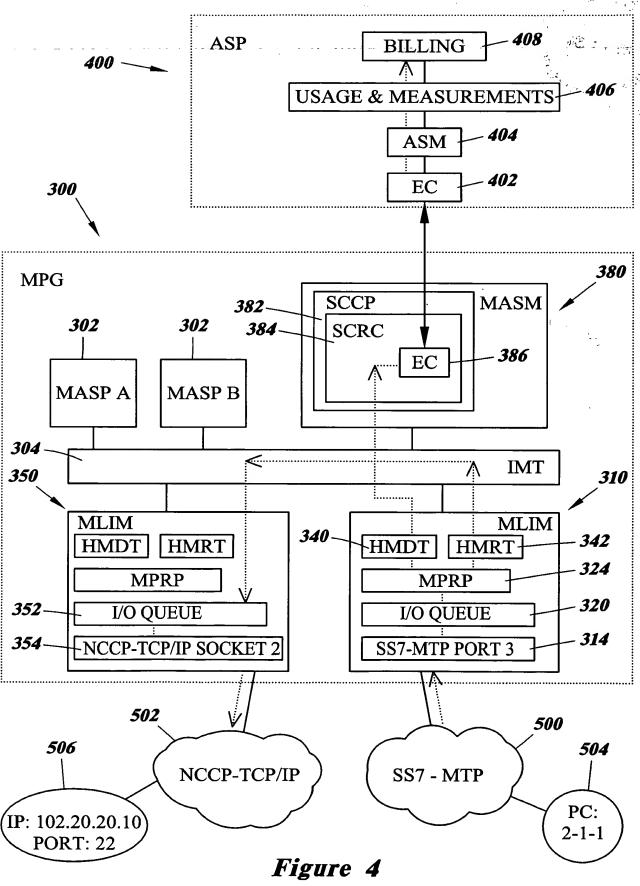


100

250

252 MAINTENANCE AND ADMINISTRATION SUBSYSTEM (MAS) MAS COMMUNICATION APPLICATION PROCESSOR (MCAP) TERMINAL DISK MODULE (TDM) MAINTENANCE DISK AND ALARM MODULE (MDAL) 254 **COMMUNICATION SUBSYSTEM** INTERPROCESSOR MESSAGE TRANSPORT BUS (IMT) • IMT POWER AND MULTIPLEXER (IPMX) 256 APPLICATION SUBSYSTEM LIM **DCM** ASM **TSM** 258 262 264 260

Figure 3



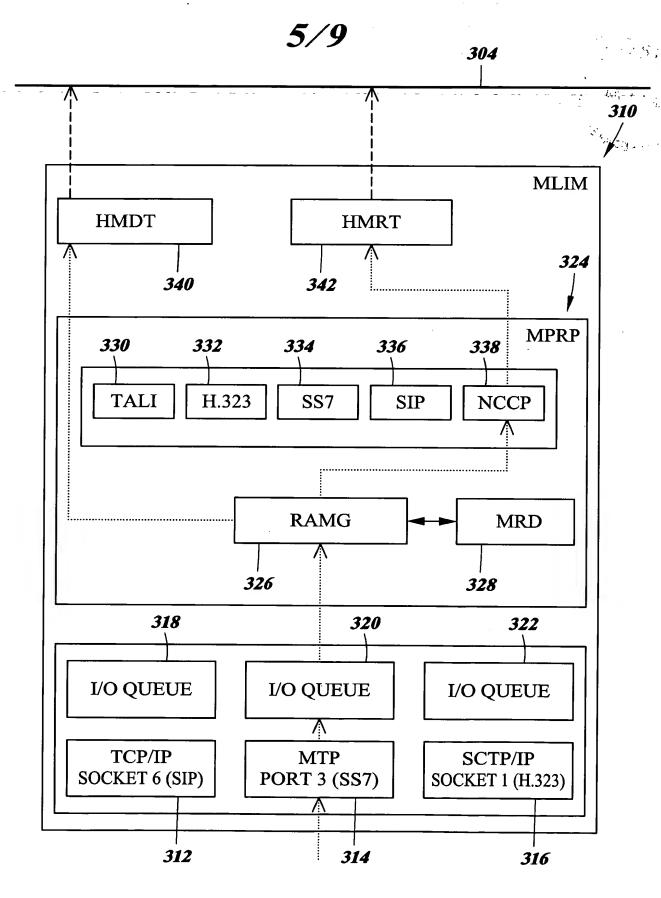


Figure 5

					_				
		OUTBOUND	SOCKET/PORT	\$	_	7	_ ∞		9
MRD DATABASE		OUTBOUND	MLIM	2201	2201	2201	2102	4101	3306
	DATA FIELDS		ACCT.	NO	YES	YES	NO	YES	YES
	DATA	/NSS	PORT	50	22	70	30	*	45
		PC/IP	Add.	2-1-1	102.20.20.10	102.20.20.12	104.20.10.10	uswest.cnaml	103.23.23.10
		SIGNALING	PROTOCOL	LSS .	NCCP	SIP	NCCP	H.323	SS7
	SS7 KEYS	KEY 2	CdPA	*	*	9194605555	*	*	*
		SS7 K	SSN	50	*	*	78	*	*
		KEY 1	DPC	2-1-1	1-1-1	*	2-1-1	2-1-2	3-1-1

Figure 6(A)

009 -

			MRD DATABASE	3ASE				
IP KEYS	EYS			DATA	DATA FIELDS		- 4	
KEY 3	KEY 4	SIGNALING		SSN/		OUTBOUND	OUTBOUND	
HOST PORT	CdPA	PROTOCOL	Add.	PORT	ACCT.	MLIM	SOCKET/PORT	·
101.10.10.25 23	*	SS7	2-1-1	50	NO	4201	12	
101.10.10.35 34	*	SS7	2-1-1	20	NO	4101	ന	-
*	jsmith@aol.com	SS7	2-1-1	20	YES	4301	16	
102.20.20.10 25	*	SIP	101.50.50.10	45	YES	4101	9	
102.20.20.10 23	*	H.323	102-20-20-10	23	YES	3108	15	
103.30.30.10 24	*	NCCP	103.30.30.10	24	NO NO	3402	13	
_	Retailer.com	SIP	104.40.50.10	34	YES	3301	18	
							-	1

Figure 6(B)

602

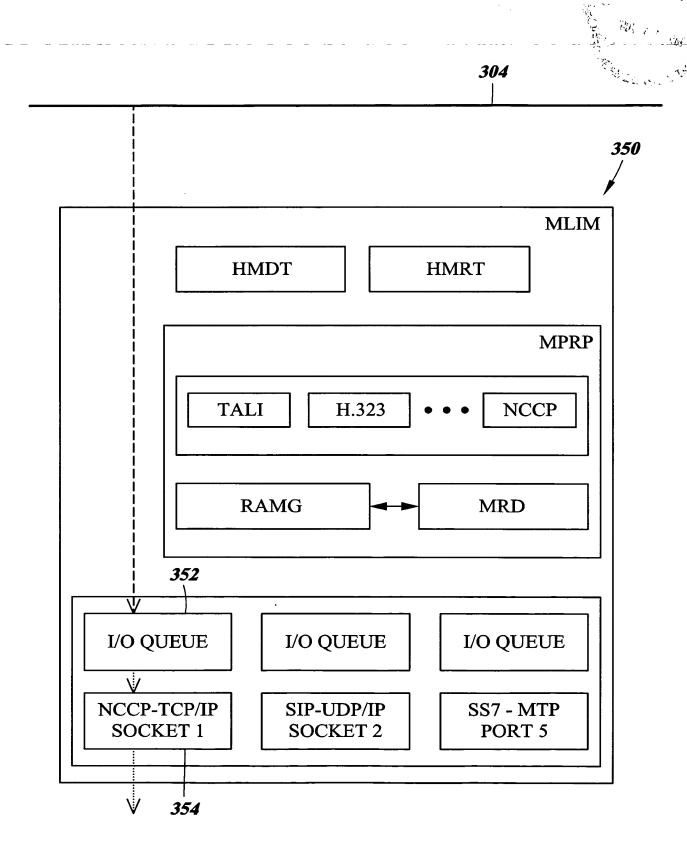


Figure 7

		ORIGINATING PC/IP Add. SSN/PORT 2-1-1 50 102.20.20.10 23 103.30.30.10 24
	,	OR PC/IP A 2-1-1 102.20 103.30
USAGE & MEASUREMENTS DATABASE	DATA FIELDS	CdPA Jsmith@aol.com 9194605500 Retailer.com
SUREME		SERVICE TYPE 01 js 03
USAGE & MEAS		SERVICE RECIPIENT 34 13 15
		SERVICE PROVIDER 12 23 12
	YS	TIME 23:12.23 23:34.01 23:36.59
	KEYS	CALL ID TIME 1025 23:12.2 1534 23:34.0 1632 23:36.5

Figure 8

Z